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DIALOG(R) File 351:Derwent WPI

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**Image display device e.g. head mounted display has secondary and tertiary prisms comprising relay optical system, which bend optical paths away from observer**

Patent Assignee: OLYMPUS OPTICAL CO LTD (OLYU )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002090692	A	20020327	JP 20019948	A	20010118	200248 B

Priority Applications (No Type Date): JP 2000207811 A 20000710

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002090692	A	23	G02B-027/02	

Abstract (Basic): JP 2002090692 A

NOVELTY - A primary prism with positive power bends the optical paths to the side of observers view axis. A secondary prism bends the optical paths towards primary prism in direction away from the observer. A tertiary prism with positive power bends the optical paths away from observer in direction opposite to that of primary prism. The secondary and tertiary prism comprise relay optical system.

USE - Image display device e.g. head mounted display, spectacle type display.

ADVANTAGE - Ensures high performance and a long free working distance by the wide-viewing couple, since a small-sized optical system is provided.

DESCRIPTION OF DRAWING(S) - The figure shows a sectional view of the optical system of the image display device.

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Title Terms: IMAGE; DISPLAY; DEVICE; HEAD; MOUNT; DISPLAY; SECONDARY; TERTIARY; PRISM; COMPRISE; RELAY; OPTICAL; SYSTEM; BEND; OPTICAL; PATH; OBSERVE

Derwent Class: P81; W03

International Patent Class (Main): G02B-027/02

International Patent Class (Additional): G02B-013/18; G02B-017/08;

G02B-025/02; G02F-001/13; G02F-001/1335; H04N-005/64

File Segment: EPI; EngPI

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